SECTION 6.0

OPERATIONAL MODES
(Annotated Outline)

This section contains the formal documentation of the operational analysis. Again, the operational analysis is the principal input to this section. As in sections 4 and 5, the applicable documents include 1, 6, 9, 13, 18, 26, 26, and 29*. However, no true operational analysis exists in any of the available documentation, and significant reverse engineering must be performed to create this section. The key element of this section will include emphasis on the nature and implications of transition to the new A/G system on operational modes.*

6.1 Activation: This paragraph shall state the process of system activation and how the system shall be commissioned. Base the activation and commissioning strategy on that used for other programs as VSCS, etc. Identify through discussions with ASE and ATR any transition issues which should be addressed as part of activation versus deactivation. This must be created from whole cloth and, if the issues of transitions will be introduced here, will undoubtedly be a critical section of the document.

6.2 Integration: This paragraph shall state the process of integrating the system into the existing system and how the new system shall be deployed throughout its life cycle. The strategy for integrating this system into the existing system must be discussed. In a digital system for example, how do the analog and digital system co-exist until all digital is achieved? Airborne and ground equipment must be discussed. No material is available and this must be invented.

6.3 Operations: This paragraph shall state the various operations of the system, and describe each. Possibly use some material from the applicable documents. No comprehensive treatment is available and it must be developed. The objective is to identify and describe the various operations of the system. Reverse engineering of some of the existing documentation would provide a start to this section.

6.4 Support: This paragraph shall state the support philosophy of the system throughout its life cycle. The system support philosophy throughout the life cycle must be described. This has to be generated by examining today's approach and modifying it for the future system. Included are maintenance and training as subsections 6.4.1 and 6.4.2.

6.4.1 Maintenance. This paragraph shall state the maintenance philosophy of the system.

6.4.2 Training. This paragraph shall state the training philosophy of the system. Elements will include both top level controller and pilot training issues.

6.5 Deactivation/Transition: This paragraph shall state the process of system deactivation and how the system shall be decommissioned as a factor of transition to the new A/G system. Use the same strategy for deactivation and decommissioning the new system as was developed in 6.1 and 6.2 for decommissioning and deactivation of the old system. None of this material exists.